

Double Acting Energize To Trip

**SOV1 and SOV2
energized**

**Bypass (B/P) valve shown
in the normal state**

For use with valves that
have a safe state of open
the connections to the
valve actuator from the
RCS, C1 and C2, would
be reversed

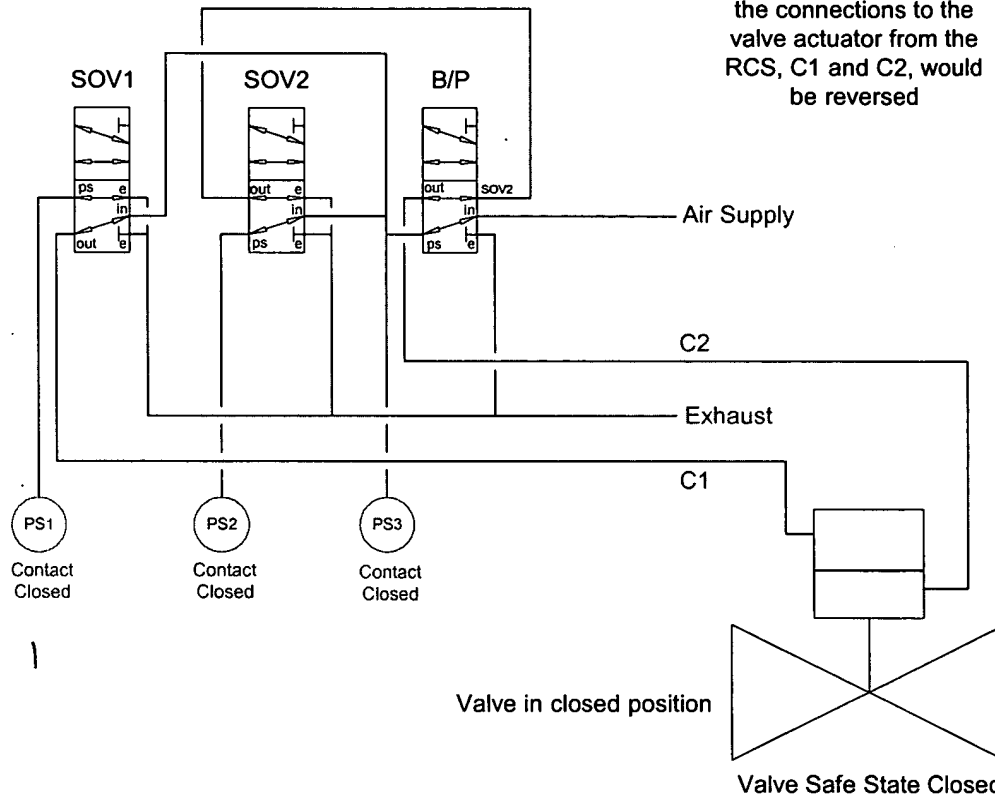


FIG. 1

FIG. 2

Bypass NOT Active	Pressure Switch 1 Contact Status	Pressure Switch 2 Contact Status	Pressure Switch 3 Contact Status
SOV1 AND SOV2 Energized	Closed	Closed	Closed
SOV1 AND SOV2 De- energized	Open	Open	Closed
SOV1 De- energized AND SOV2 Energized	Open	Closed	Closed
SOV1 Energized AND SOV2 De- energized	Closed	Open	Closed
Bypass Active	Closed	Open	Open

Double Acting De-energized to Trip

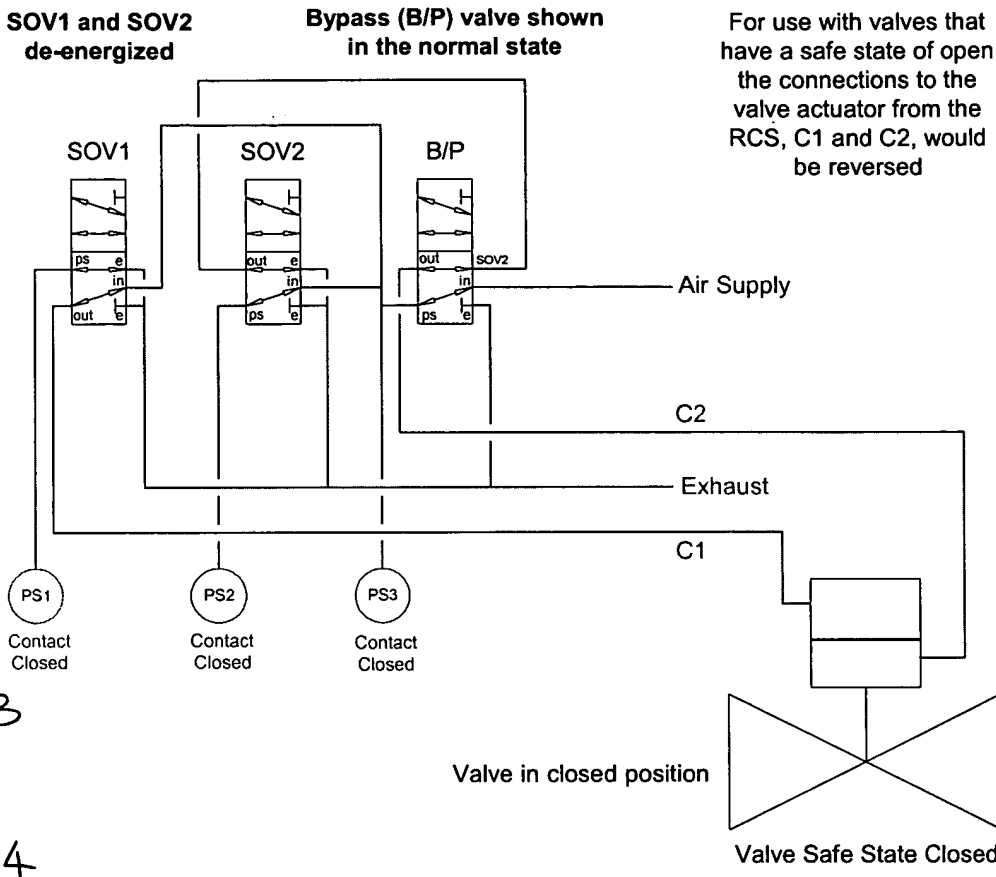


FIG. 3

FIG. 4

Bypass NOT Active	Pressure Switch 1 Contact Status	Pressure Switch 2 Contact Status	Pressure Switch 3 Contact Status
SOV1 AND SOV2 Energized	Open	Open	Closed
SOV1 AND SOV2 De-energized	Closed	Closed	Closed
SOV1 De-energized AND SOV2 Energized	Closed	Open	Closed
SOV1 Energized AND SOV2 De-energized	Open	Closed	Closed
Bypass Active	Closed	Open	Open